

Kinetic study of the reaction of tertiary phosphines with acrylic acid in aprotic solvents

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Abstract

The kinetics of the reaction of tertiary phosphines with acrylic acid in a series of aprotic solvents was studied by spectrophotometry. The data obtained suggest a stepwise mechanism of interaction including initial formation of zwitterionic intermediate followed by intermolecular proton transfer to the generated carbanionic center from the second molecule of acrylic acid. Copyright © Taylor & Francis Group, LLC.

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Keywords

Kinetics, Mechanism, Tertiary phosphines